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**POLYMER LETTERS**

1. Method for controlling the layout of a collaboration space user interface components, comprising:
  - rendering individually addressable components on said page each said user interface component having a unique address;
  - rendering components on said page having a unique address;
  - collaboration space tags for importing components into the collaboration space for use in the user interface.
2. The method of claim 1, said page being a web page, said collaboration space being a place.
3. The method of claim 2, said place being a directory.

1     4.     The method of claim 1, further comprising the step of:  
2     dragging and dropping said page from a user desktop to  
3     an output control for uploading to a collaboration  
4     space server.

1     5. The method of claim 1, further comprising the step of  
2     organizing said collaboration space according to an object  
3     model selectively including place, room, folder, page,  
4     member, form, field, placetype, roomtype, skin, and placebot  
5     objects.

1     6. The method of claim 1, said user interface components  
2     including logo, table of contents, action bar, tool bar, and  
3     page content.

1     7. The method of claim 1, said tags further providing  
2     links to other collaboration space resources.

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1 8. The method of claim 2, further comprising the steps of:  
2 integrating said collaboration space with an existing  
3 web site by including in said page links to network  
4 resources.

1 9. The method of claim 1, further comprising the steps of:  
2 uploading said pages to a server for caching in a cache  
3 of skin groups; and

1 10. The method of claim 1, further comprising the step of:  
2 presenting to said user users a gallery of themes from  
3 which to choose and optionally tweak a visual site  
4 design for rendering said collaboration space to said  
5 user.

1 11. The method of claim 10, further comprising the steps  
2 of:

3 tweaking a theme by selecting basic property changes







1 21. The method of claim 16, further comprising the steps  
2 of:

3 developing a theme for applying a common look and feel  
4 to multiple layouts by applying code from one layout to  
5 all layouts for which a file has not been explicitly  
6 supplied.

1 22. The method of claim 18, further comprising the steps  
2 of:

3 including in said gallery of themes a default style  
4 sheet including a plurality of selectors;

5 for specific selectors in a user style sheet tweaked by  
6 said user, changing said specific selectors; and

7 for other selectors in said user style sheet not  
8 tweaked by said user, using a corresponding selector  
9 from said default style sheet in said user style sheet.

1 23. System for controlling the style and layout of a  
2 collaboration space user interface, comprising:







3 and feel;

4 a subroom linked to said main room;

5 said subroom inheriting said first theme unless a  
6 custom theme has been defined for said subroom.

1 31. A program storage device readable by a machine,  
2 tangibly embodying a program of instructions executable by a  
3 machine to perform method steps for controlling the layout  
4 of collaboration space user interface components, said  
5 method steps comprising:

6 rendering individually addressable and placing on a  
7 page each said user interface component; and

8 rendering components on said page equivalent to  
9 collaboration space tags for importation into said  
10 collaboration space for use in instantiating said user  
11 interface.

1 32. A program storage device readable by a machine,  
2 tangibly embodying a program of instructions executable by a

3 machine to perform method steps for controlling the style  
4 and layout of a collaboration space user interface, said  
5 method steps comprising:

6 specifying component positioning in said user interface  
7 in a set of hypertext markup language pages; and

8 specifying font, size and color style in a common style  
9 sheet page.

1 33. A computer program product or computer program element  
2 for rendering individually addressable and placing on a page  
3 each said user interface component; and rendering components  
4 on said page equivalent to collaboration space tags for  
5 importation into said collaboration space for use in  
6 instantiating said user interface.

1 34. A computer program product or computer program element  
2 for controlling the style and layout of a collaboration  
3 space user interface by specifying component positioning in  
4 said user interface in a set of hypertext markup language  
5 pages; and specifying font, size and color style in a common  
style sheet page.